PA
Dinalon®

Repol

TECHNICAL DATA SHEET [TDS]

PA6 Dinalon **REFERENCE: B1X25 TC2-4240**

PRODUCT DESCRIPTION

PA6 Dinalon, Thermal conductivity, Black CNTs

PROPERTIES	UNITS	METHOD	VALUE D.A.M
Physical			
Relative density	g/cm³	ISO 1183	1.16
Humidity	%	ISO 15512-B	<0,25
Mechanical			
Tensile modulus (1 mm/min)	MPa	ISO 527	3700
Stress at break (5 mm/min)	MPa	ISO 527	63
Strain at break (5 mm/min)	%	ISO 527	1.9
Flexural modulus (2 mm/min)	MPa	ISO 178	4000
Flexural strength (2 mm/min)	MPa	ISO 178	124
Charpy notched impact strength (23ºC)	kJ/m²	ISO 179/1eA	3.6
Charpy unnotched impact strength (23ºC)	kJ/m²	ISO 179/1eU	20
Thermal			
Heat deflection temperature HDT (1.80 MPa)	ºC	ISO 75-A	97.5
Flammability classification (1.6mm)	V0-V1-V2-HB	UL 94	HB
Burning rate	mm/min	ISO 3795	<100
Thermal Conductivity in plane	W/mK	ASTM E1461	0,5
Thermal Conductivity through plane	W/mK	ASTM E1461	0,3
Electrical			
Surface resitivity	Ohm/sq	IEC 60093	10E8 - 10E9

UPDATE DATE jun.-2018

The data submited here are, to the best of Grupo Repol's knowledge, representative of the range of properties for the listed products, but should not be used to establish process limits or used as the direct basis of design. Colorants or other additives may alter these properties. The data are given for natural grade unless otherwise specified.

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PROPERTIES	UNITS	METHOD	VALUE D.A.M
Processing			
Melt temperature range	ºC	-	240-290
Recommended mould temperature	ºC	-	70-90
Drying temperature	ºC	-	80
Drying time	h	-	2 - 4

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